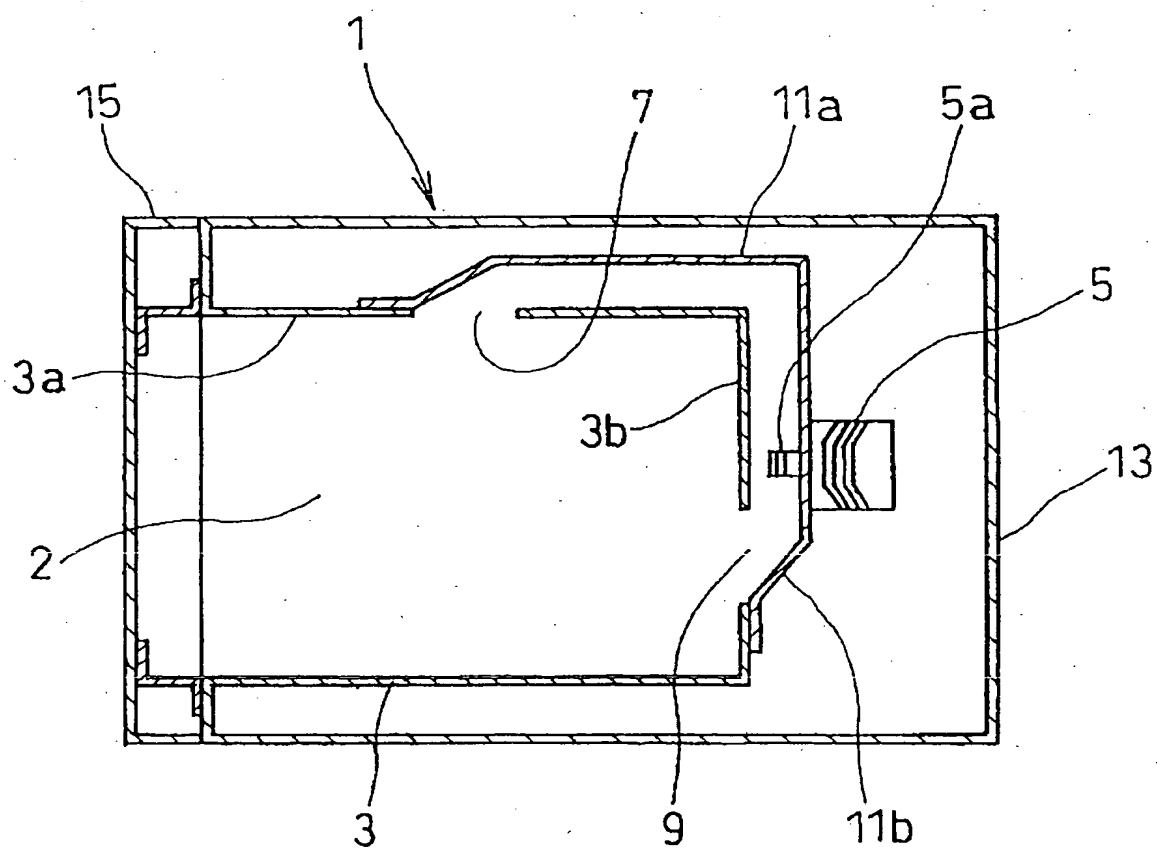


Atty. Docket No.: 38893

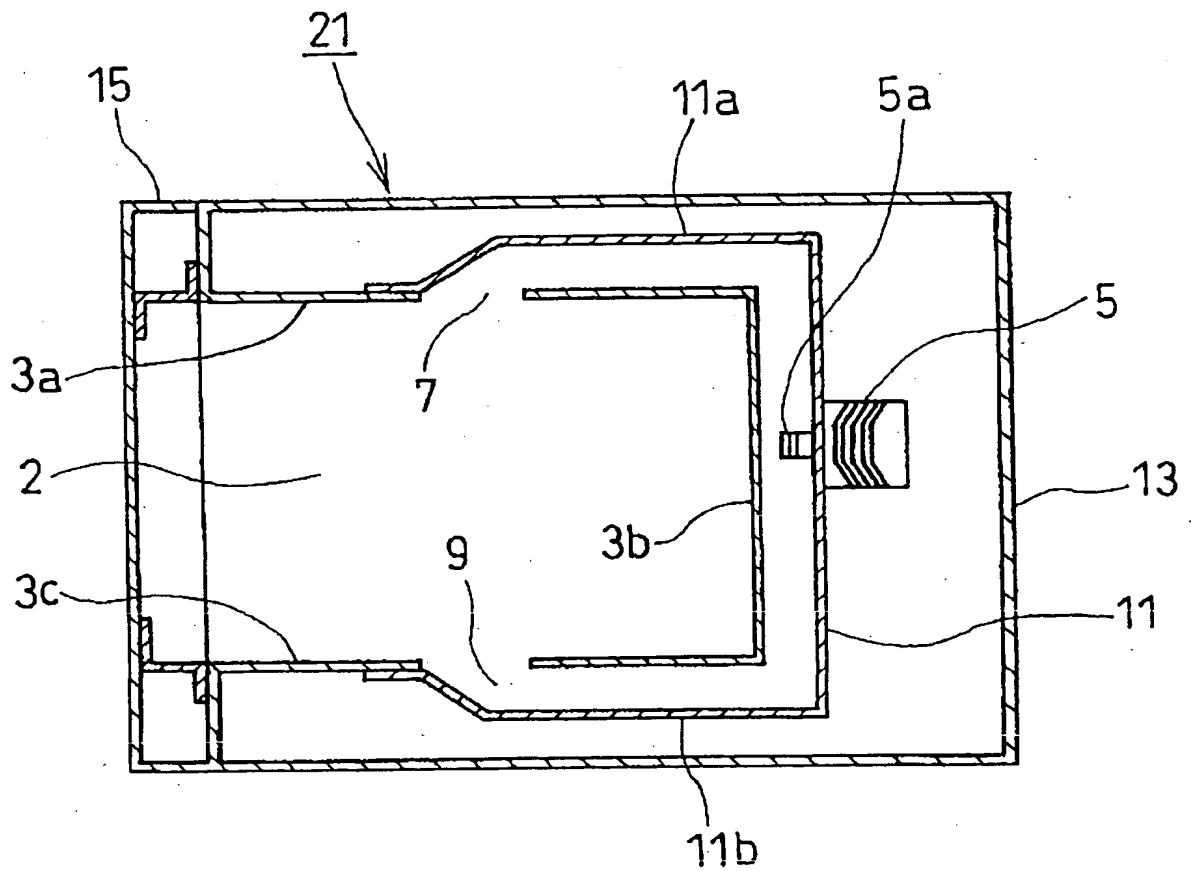
1/27

FIG. 1



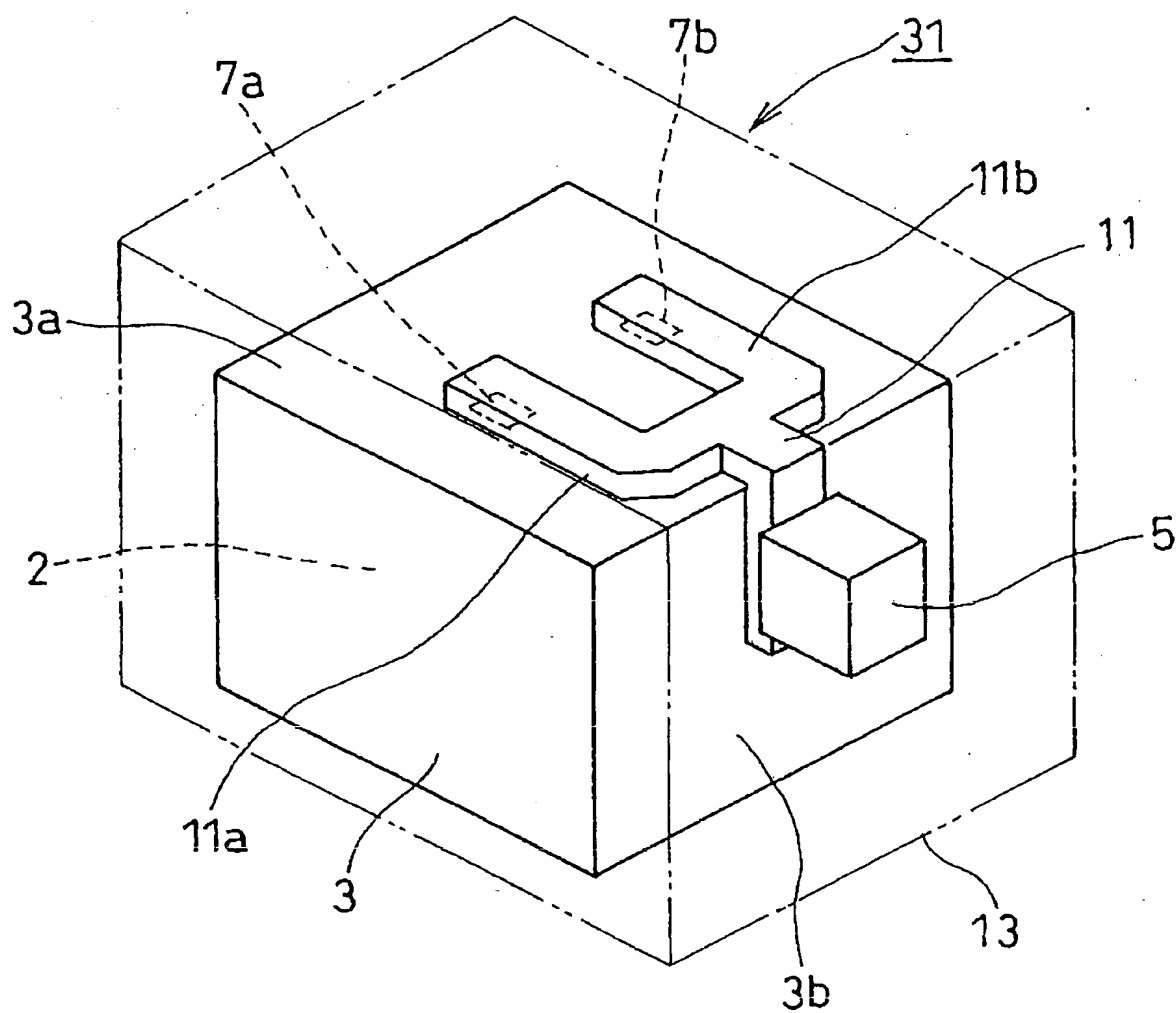
2/27

FIG. 2



3/27

FIG. 3



**REPLACEMENT SHEET**

Customer No.: 052054

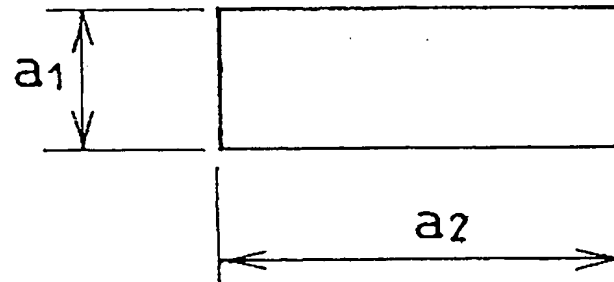
Applicant: Takeshi Takizaki et al.

Application No.: 10/553,511

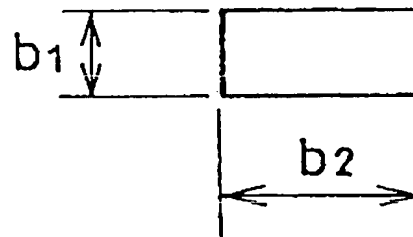
Atty. Docket No.: 38893

4/27

*FIG. 4 (a)*

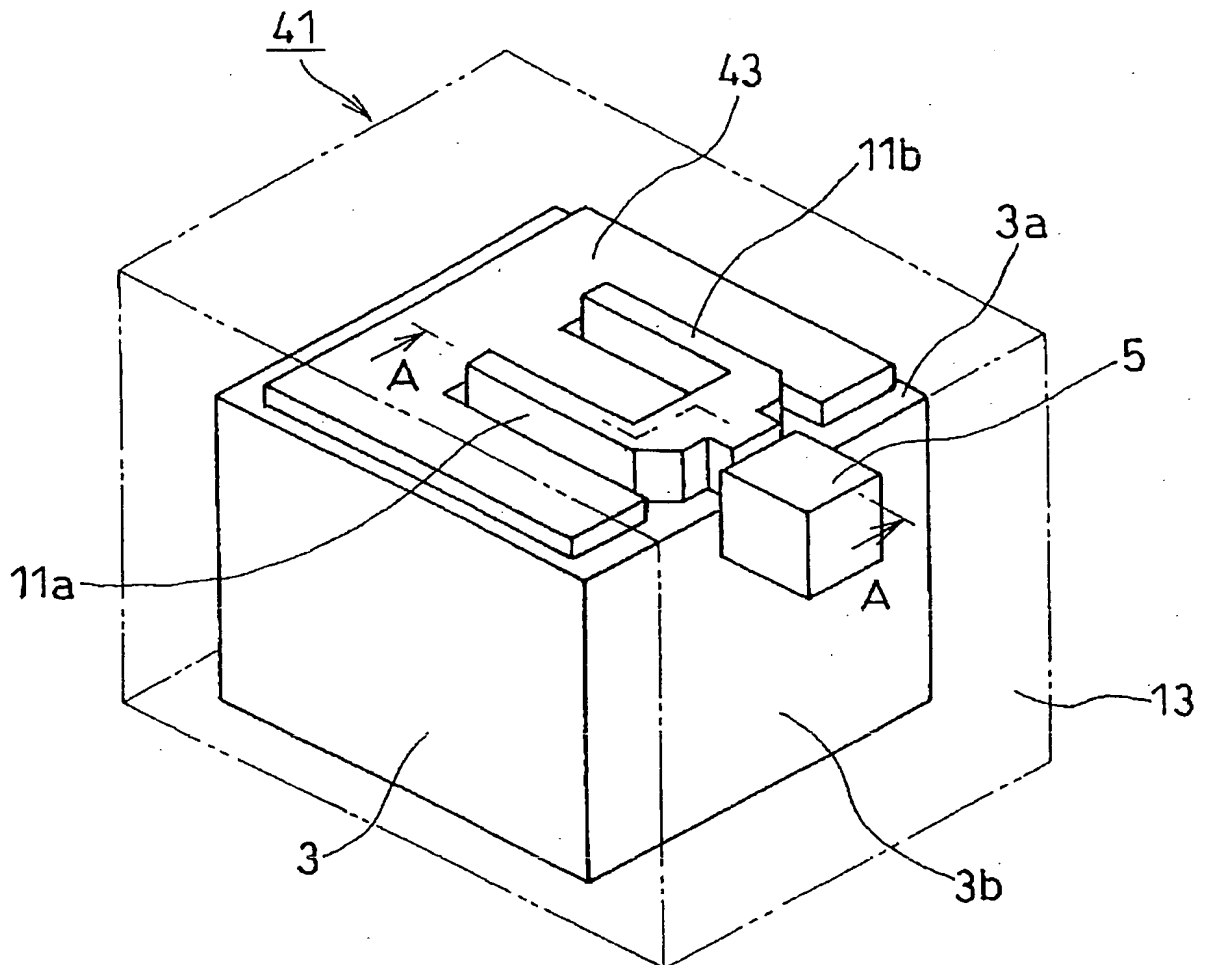


*FIG. 4 (b)*



5/27

FIG. 5



**REPLACEMENT SHEET**

Customer No.: 052054

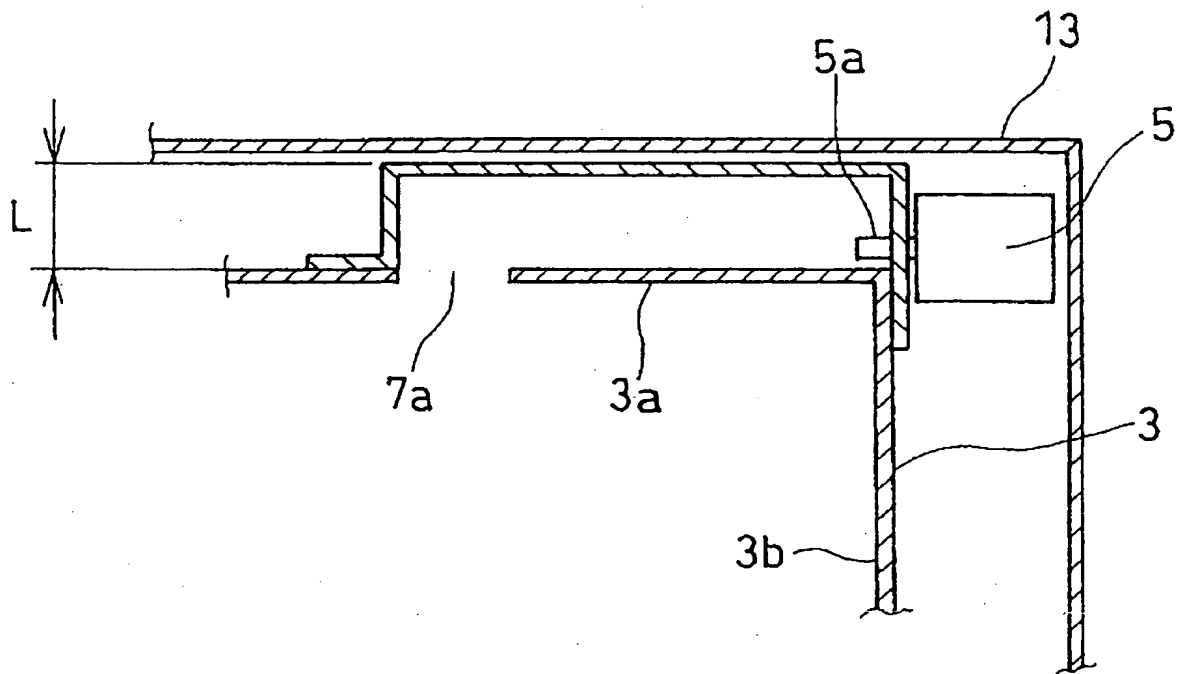
Applicant: Takeshi Takizaki et al.

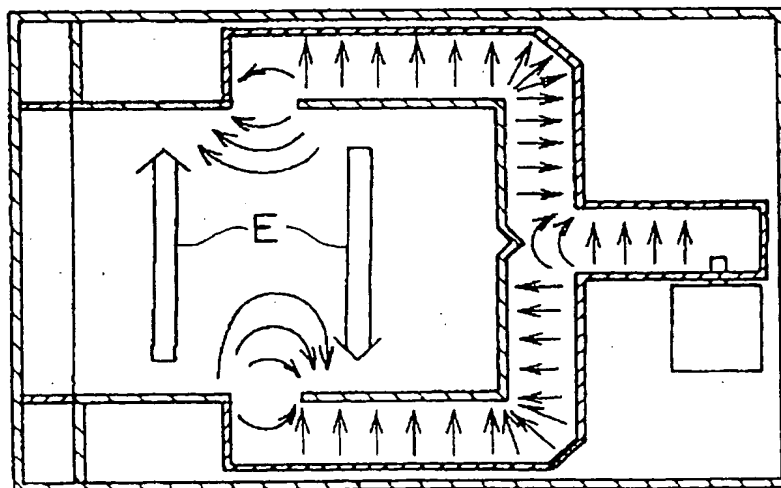
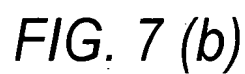
Application No.: 10/553,511

Atty. Docket No.: 38893

6/27

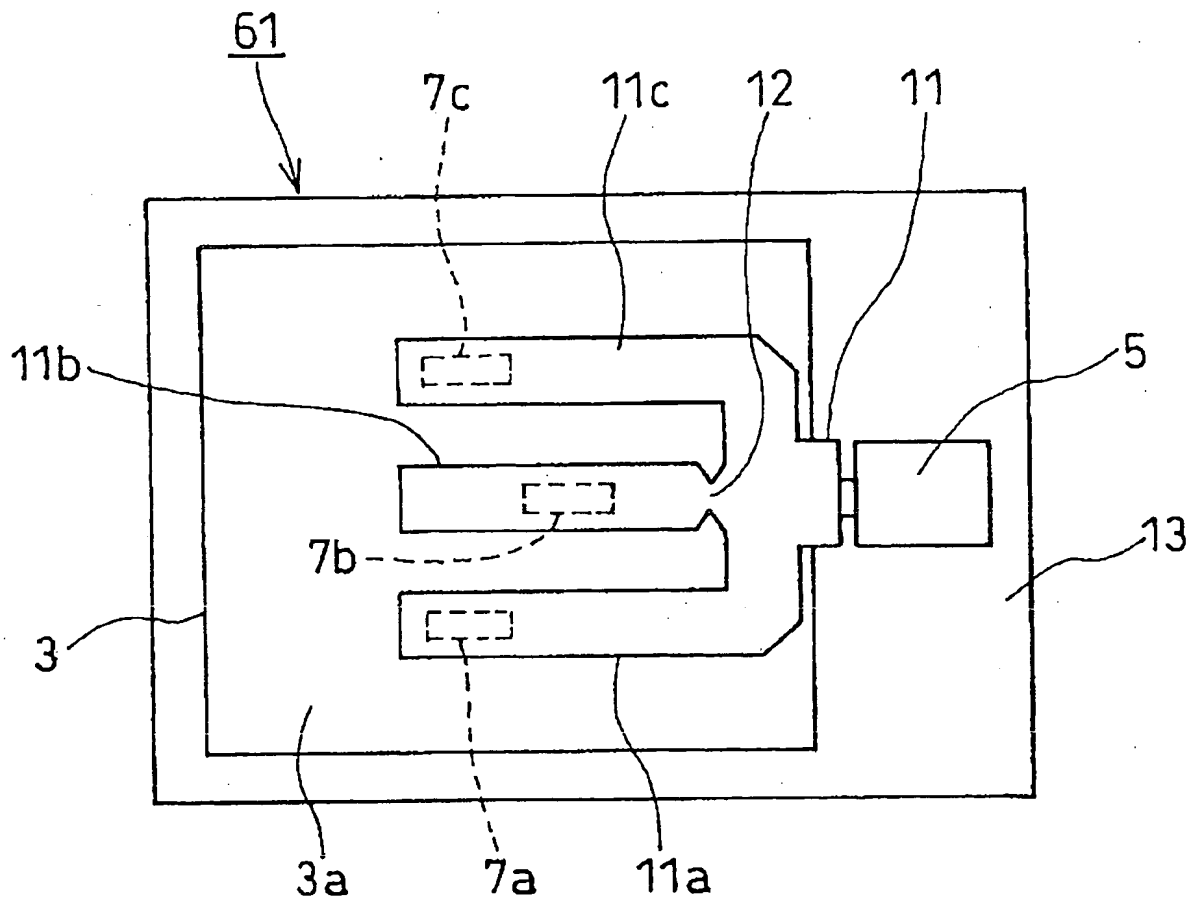
**FIG. 6**





8/27

FIG. 8





**REPLACEMENT SHEET**

Customer No.: 052054

Applicant: Takeshi Takizaki et al.

Application No.: 10/553,511

Atty. Docket No.: 38893

9/27

**FIG. 9**

		2 4 5 0MHz	5 8 0 0MHz
HEATING DISTRIBUTION	SURFACE	○	◎
	INNER PORTION	◎	○

○ ... GOOD

◎ ... EXCELLENT

10/27

FIG. 10 (a)

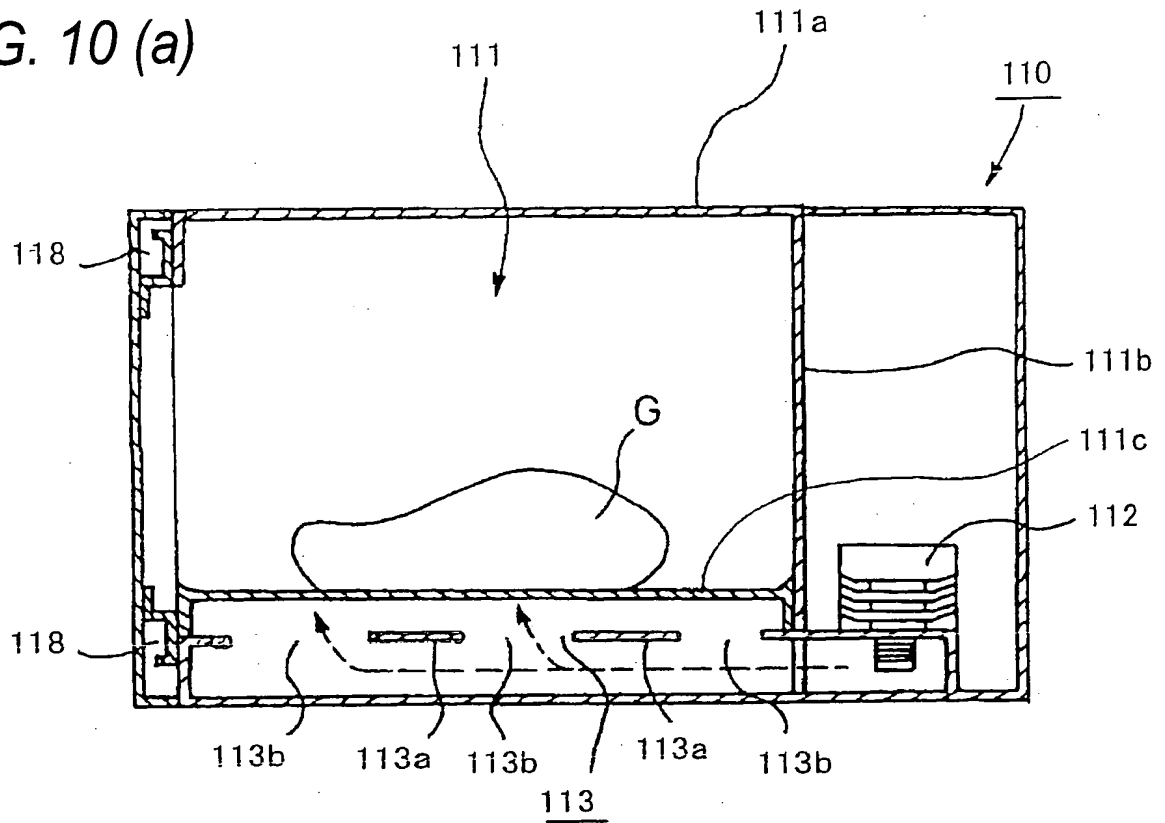
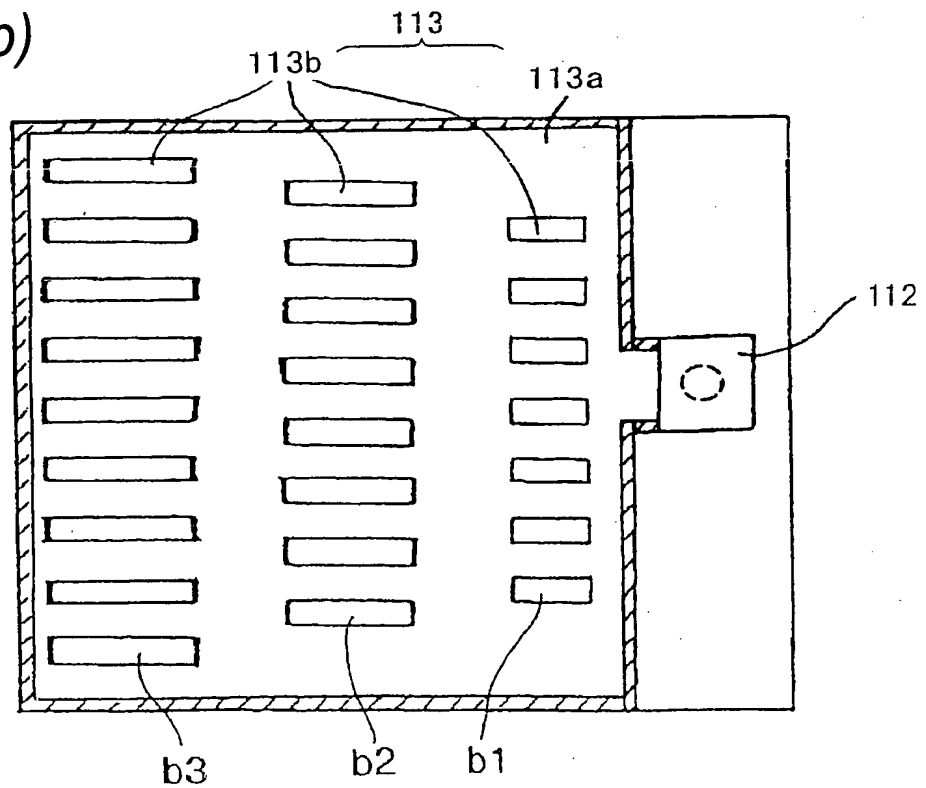


FIG. 10 (b)



11/27

FIG. 11 (a)

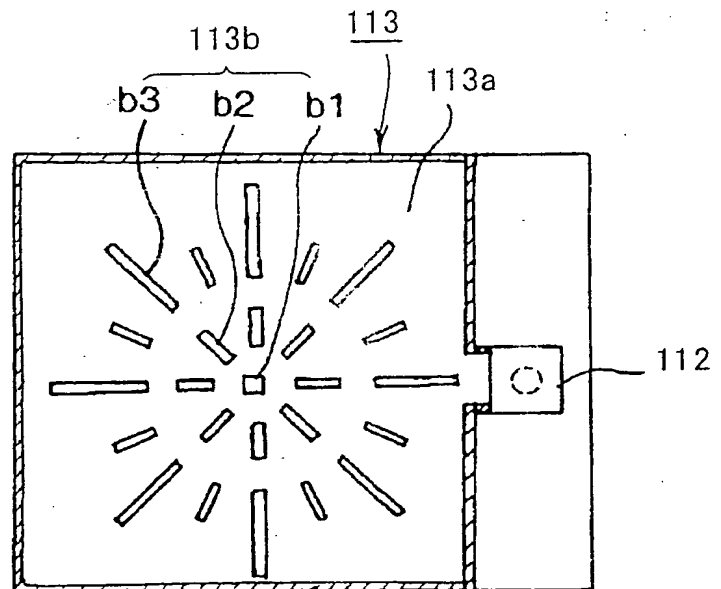


FIG. 11 (b)

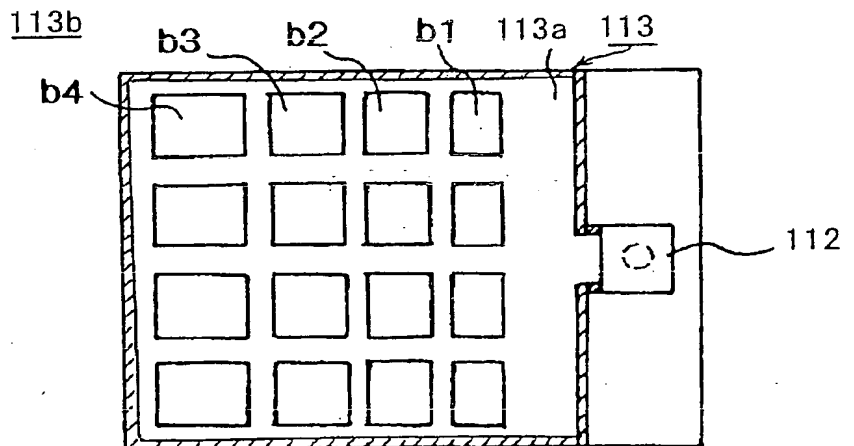
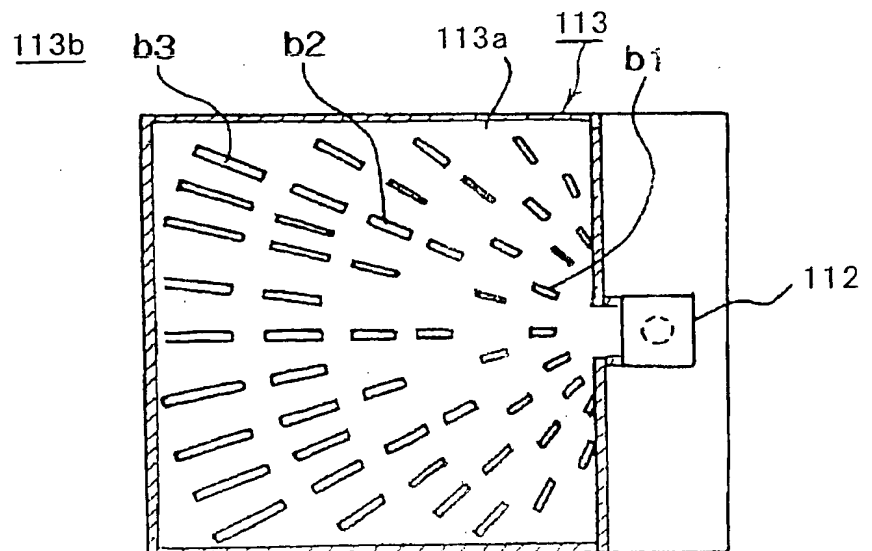


FIG. 11 (c)



12/27

FIG. 12

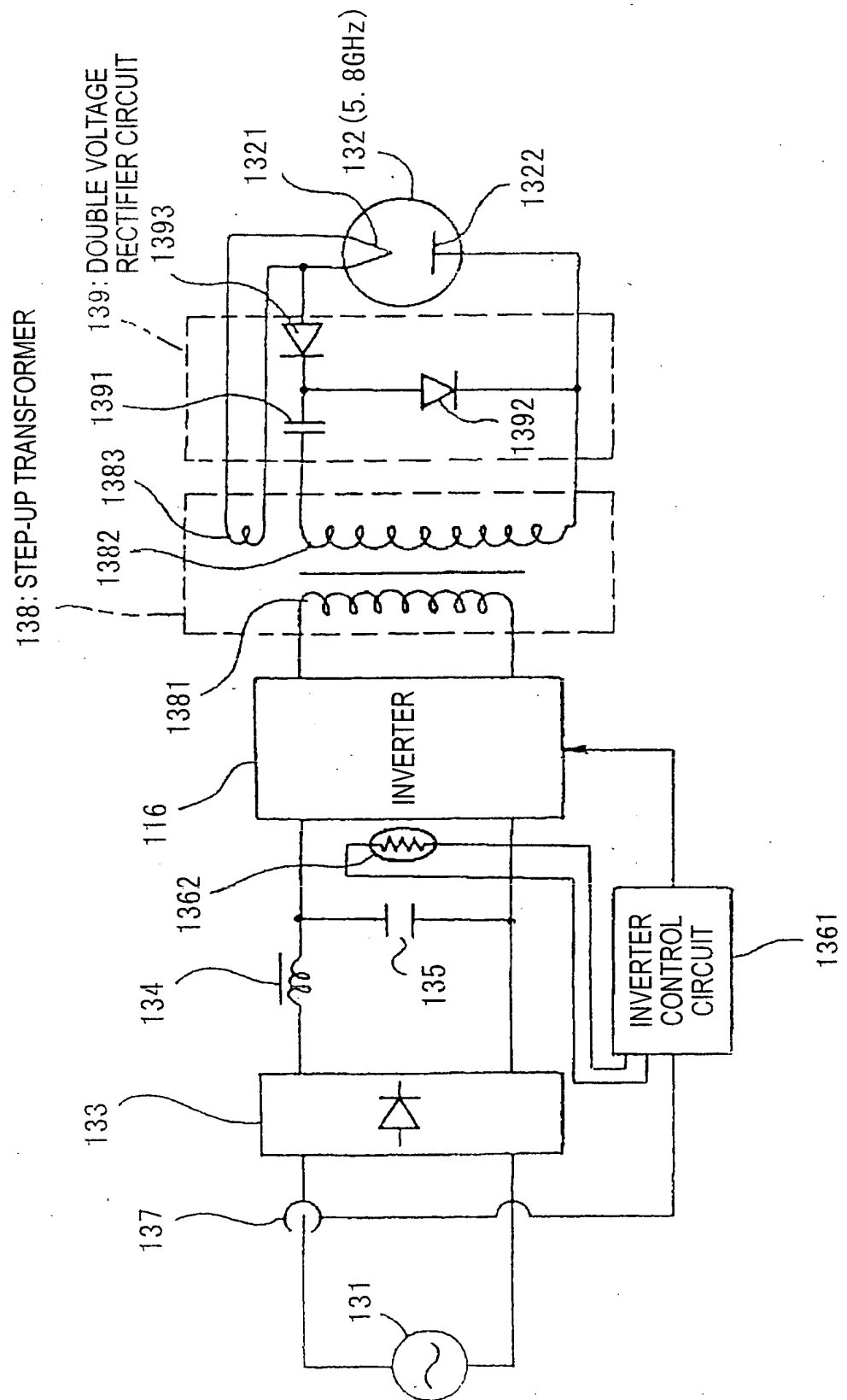


FIG. 13 (a)

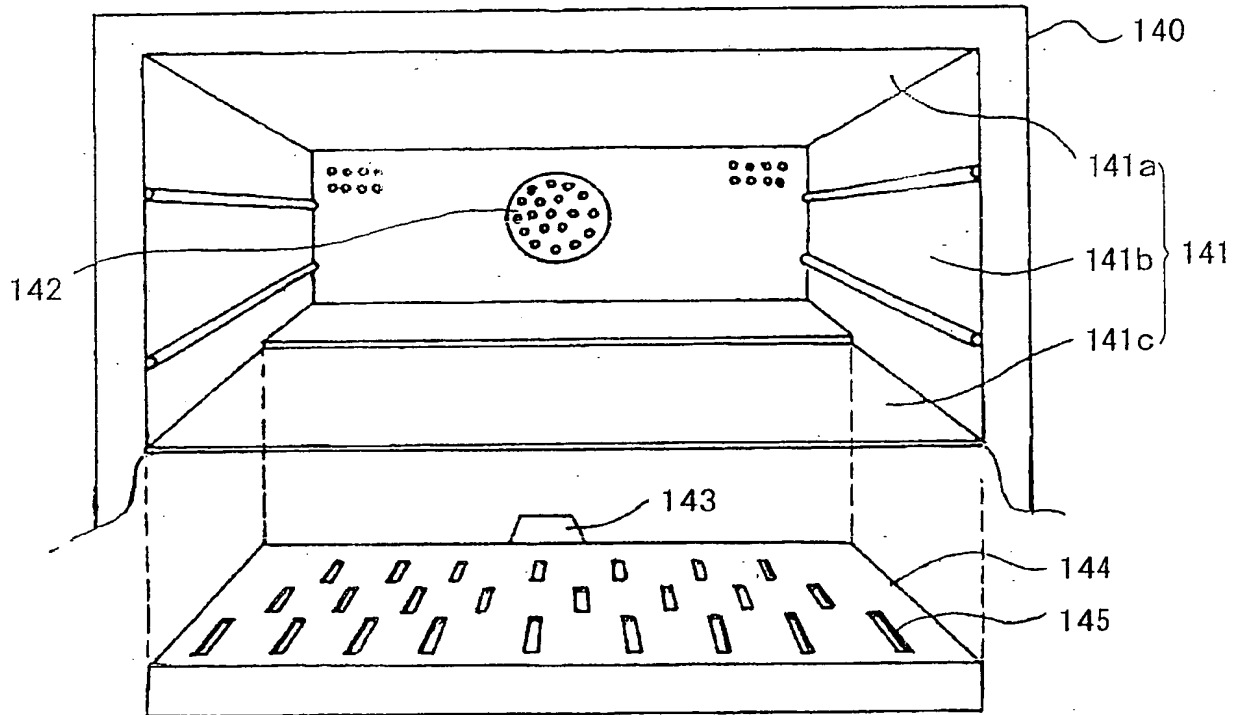
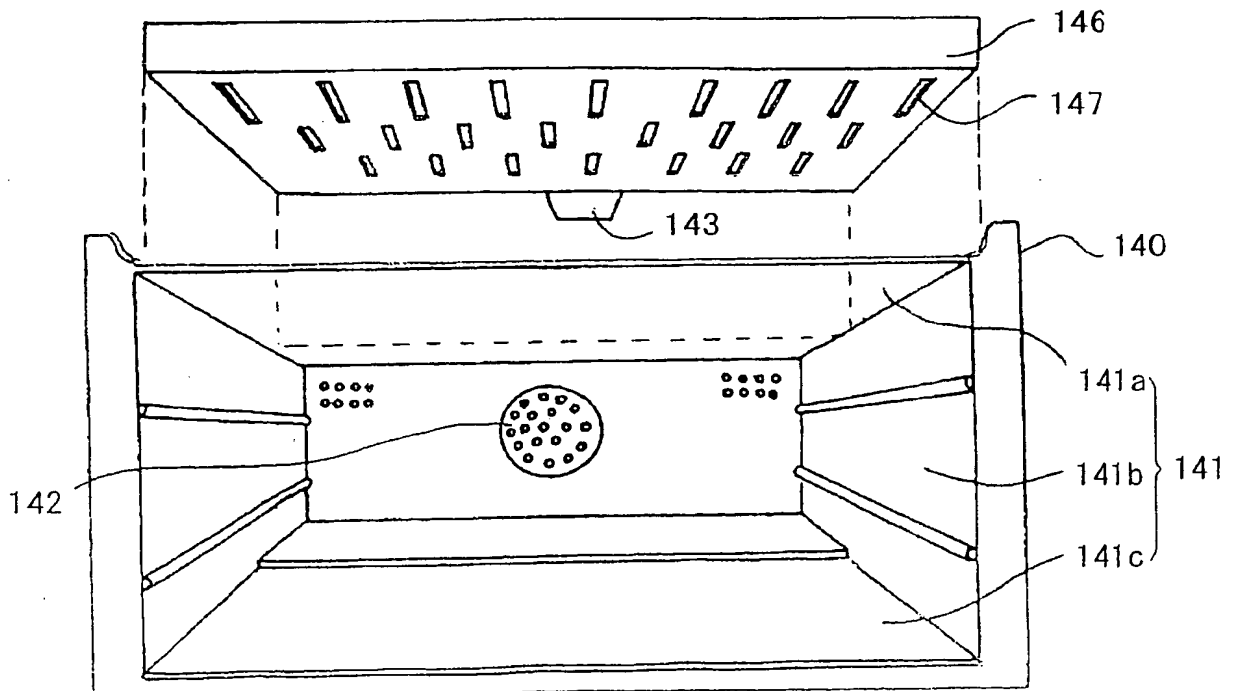


FIG. 13 (b)



**REPLACEMENT SHEET**

Customer No.: 052054

Applicant: Takeshi Takizaki et al.

Application No.: 10/553,511

Atty. Docket No.: 38893

14/27

**FIG. 14**

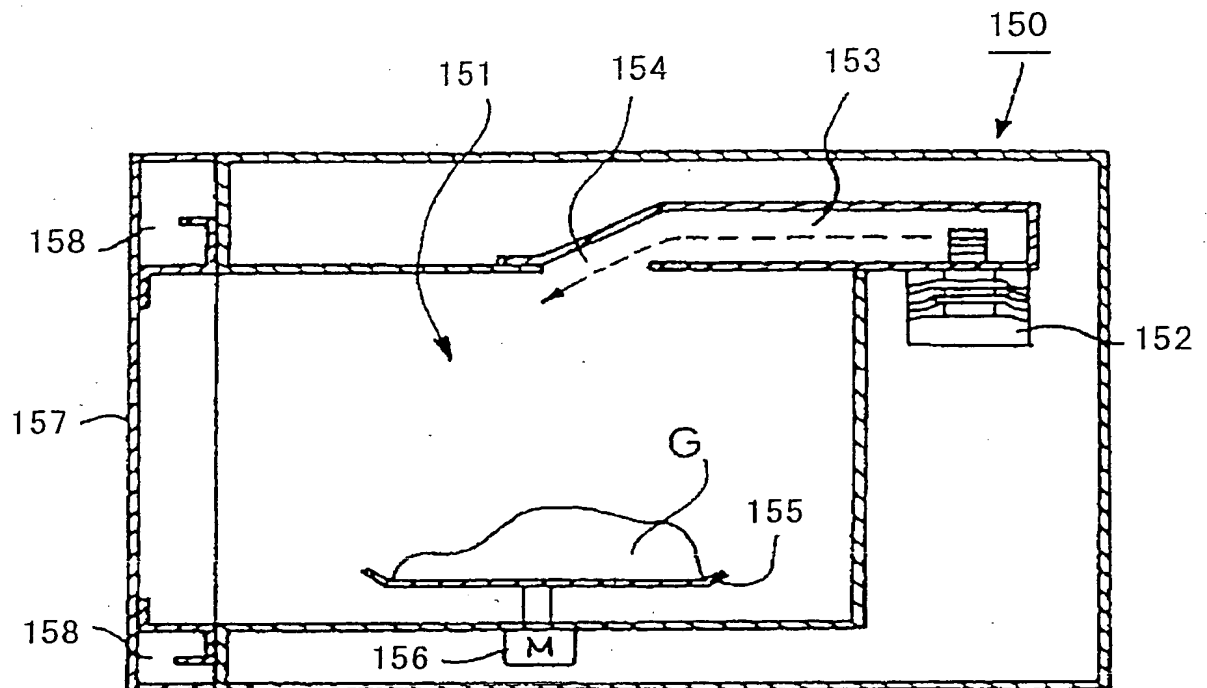


FIG. 15 (a)

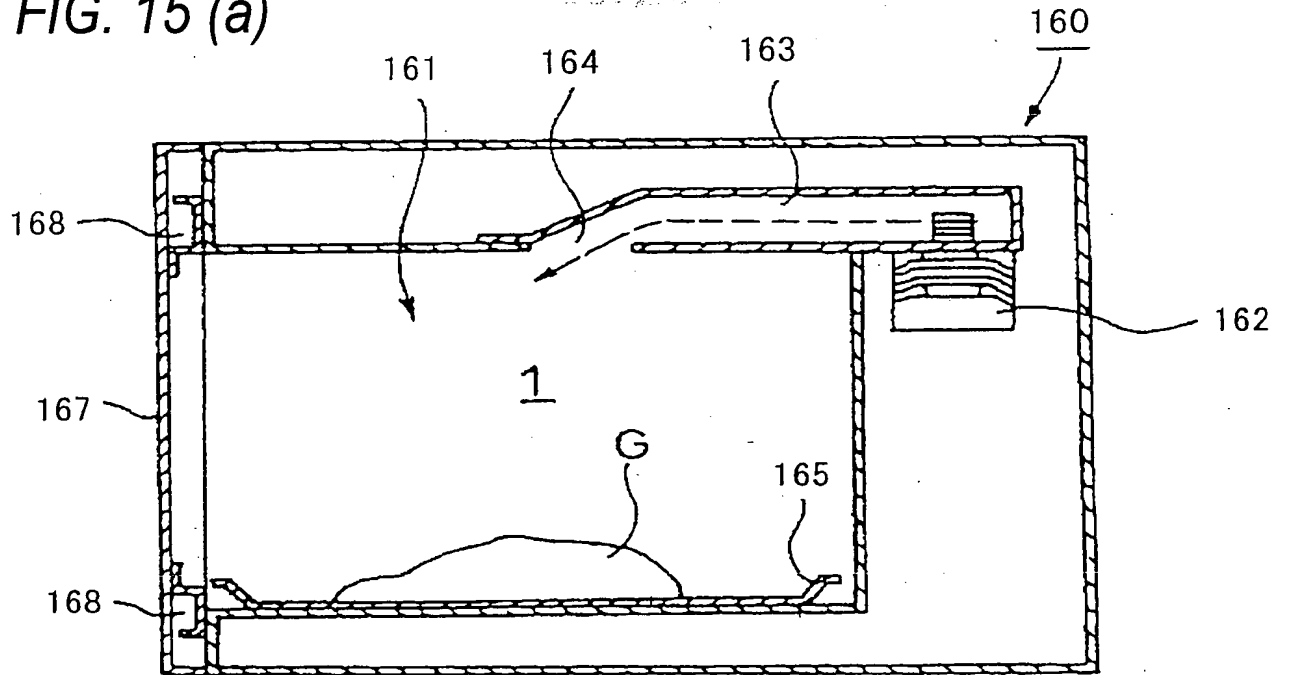
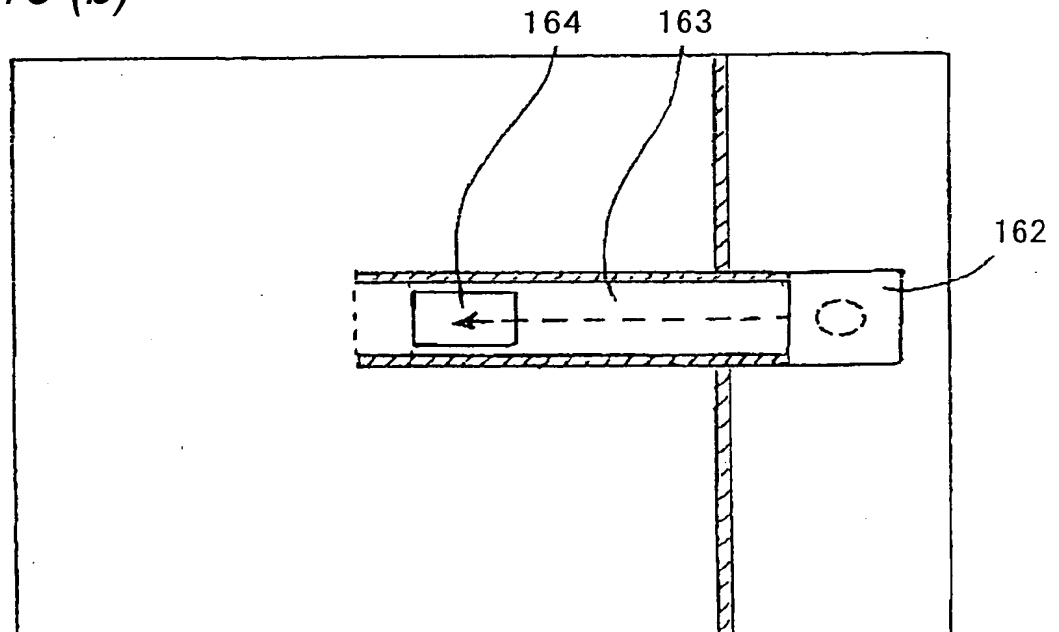
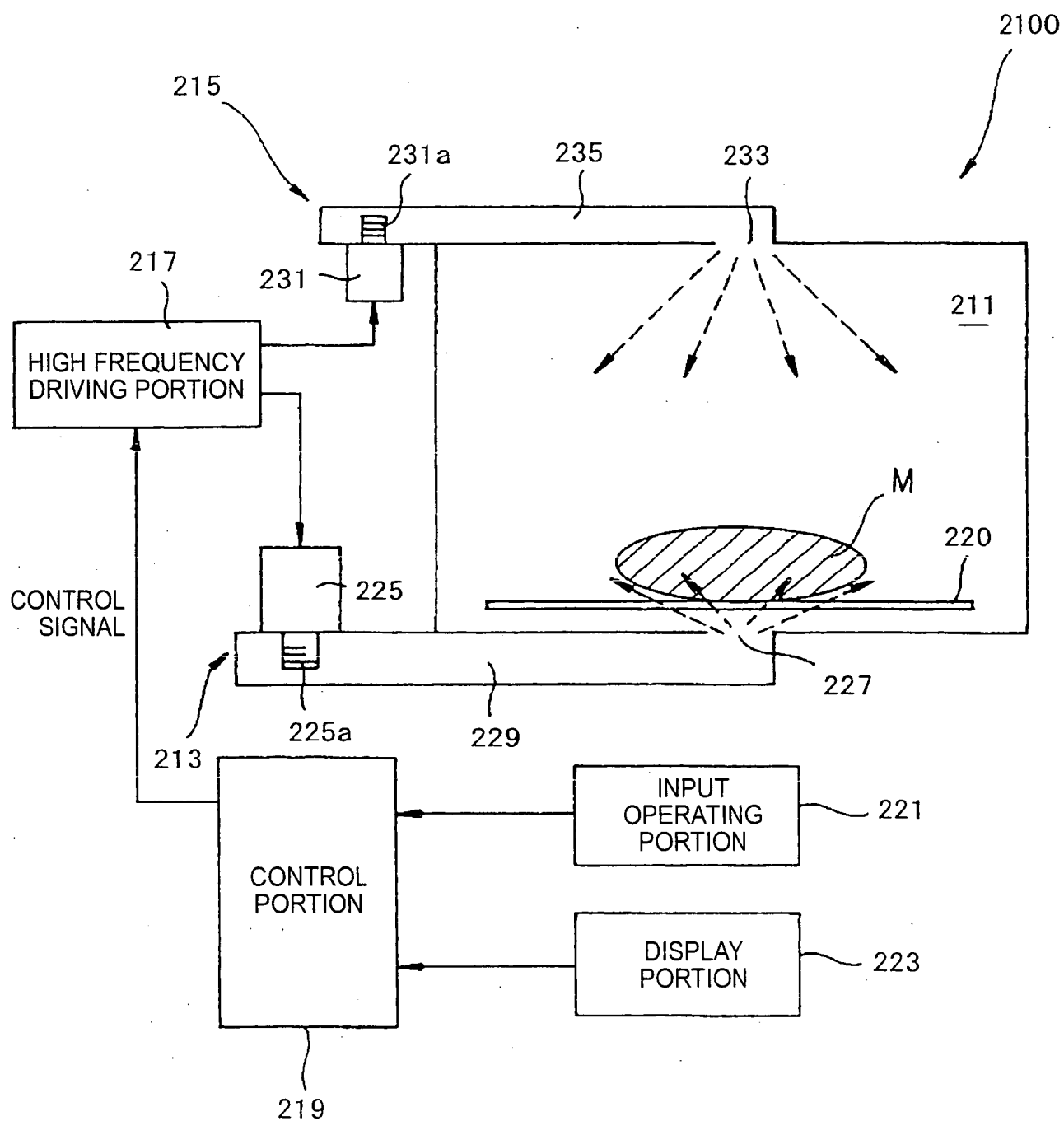


FIG. 15 (b)







# REPLACEMENT SHEET

Customer No.: 052054

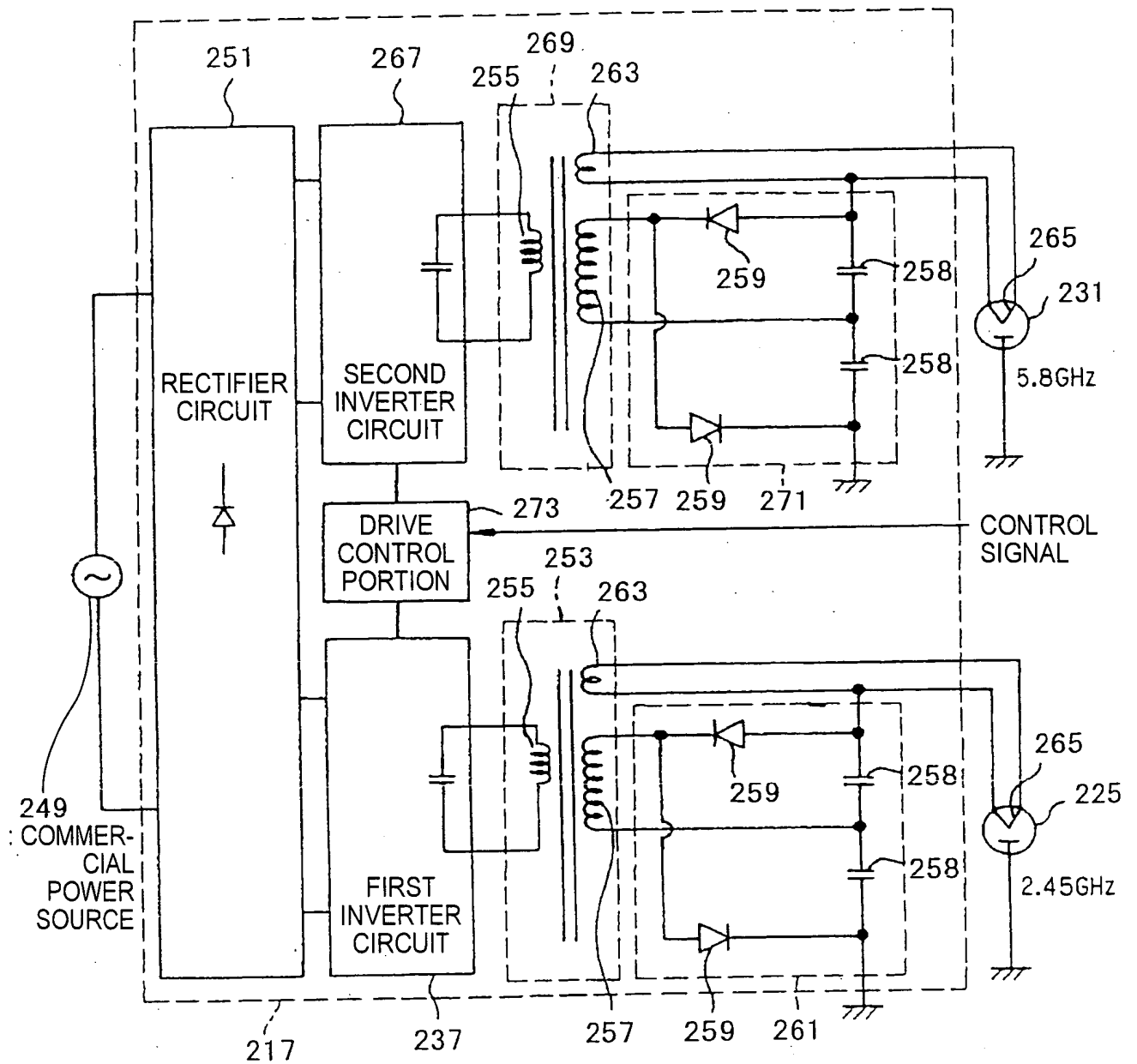
Applicant: Takeshi Takizaki et al.

Application No.: 10/553,511

Atty. Docket No.: 38893

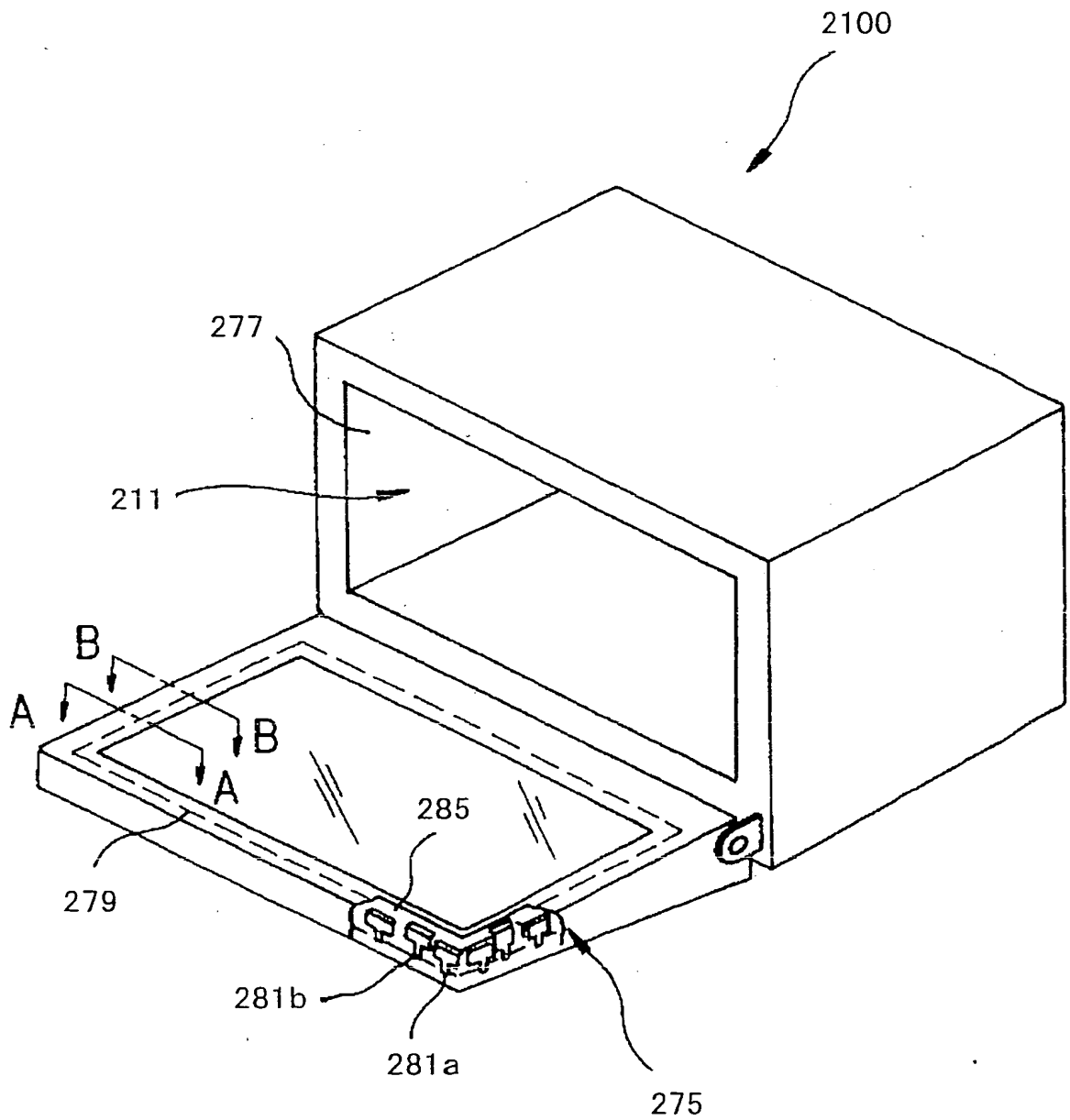
17/27

FIG. 17



18/27

FIG. 18

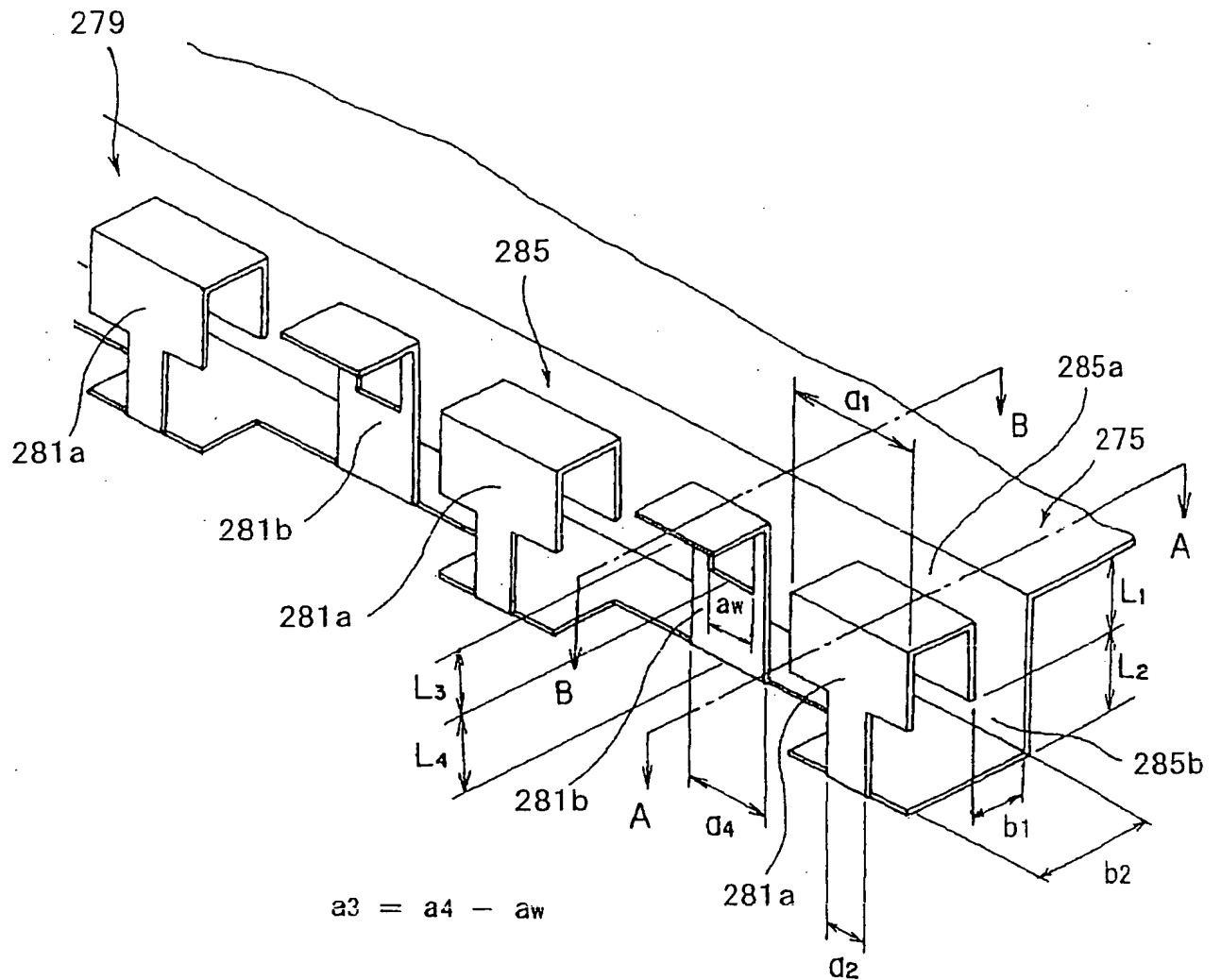


(a) is a cross-sectional view of a semiconductor device. It shows a substrate 275 with a trench 277. The trench 277 has a bottom surface 283 and side walls 289. A central barrier 285 is located within the trench, with a top surface 285a and a bottom surface 285b. The barrier 285 is flanked by side walls 287. The width of the barrier 285 is indicated by  $b_1$ , and the width of the trench 277 is indicated by  $b_2$ . The height of the barrier 285 is indicated by  $L_1$ , and the height of the trench 277 is indicated by  $L_2$ . A layer 281a is shown on the side walls 289. A layer 291 is shown on the bottom surface 283. A layer 279 is shown on the top surface of the substrate 275.

[illegible]

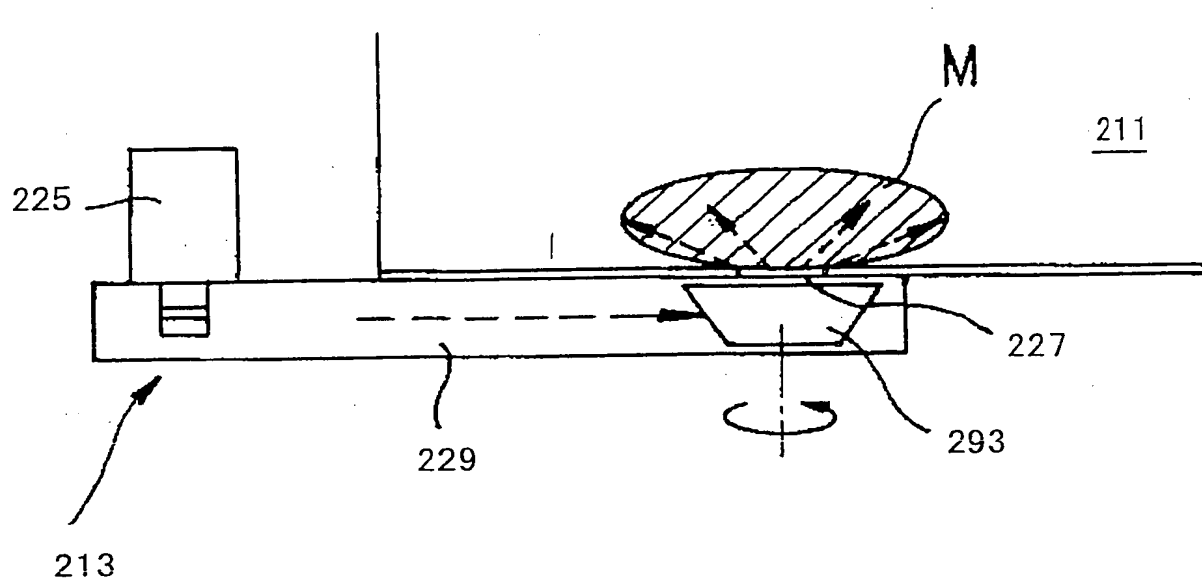
20/27

FIG. 20



21/27

FIG. 21



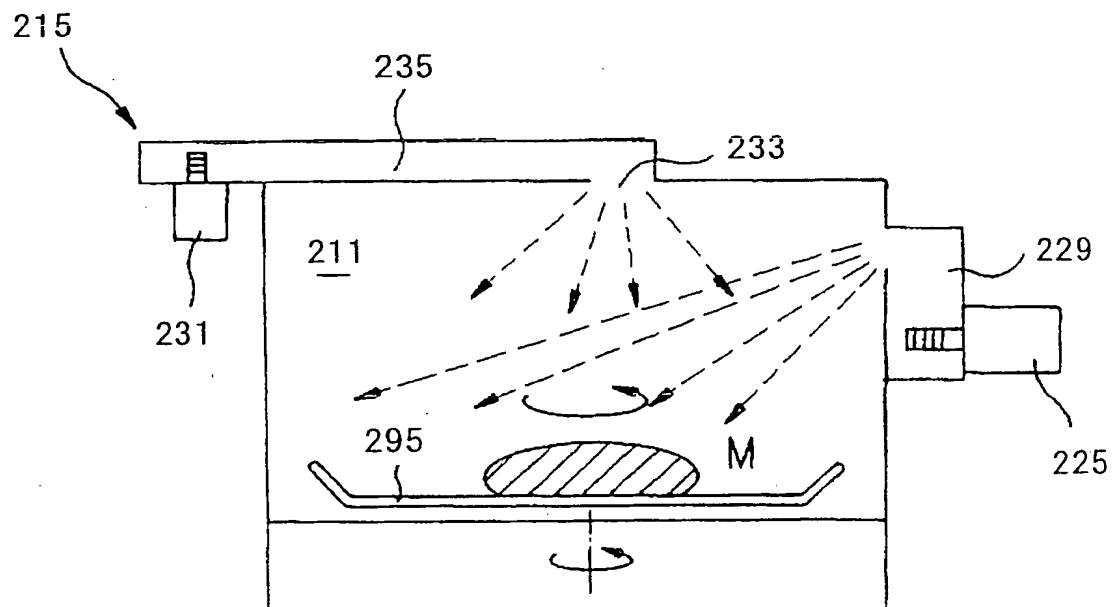
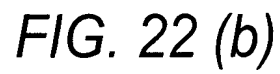


FIG. 23 (a)

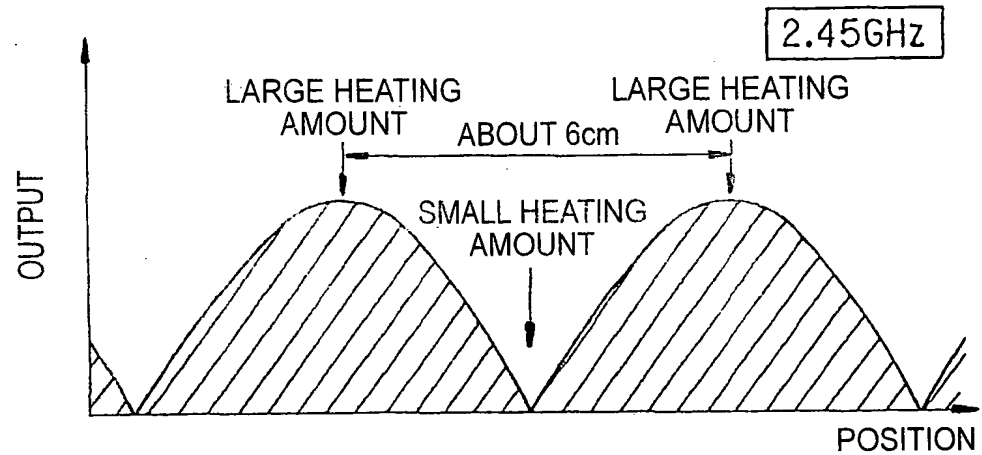


FIG. 23 (b)

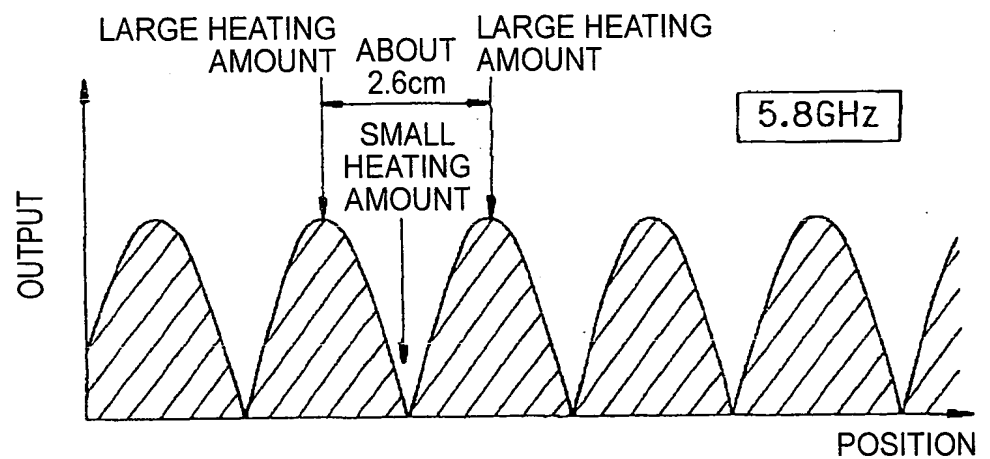
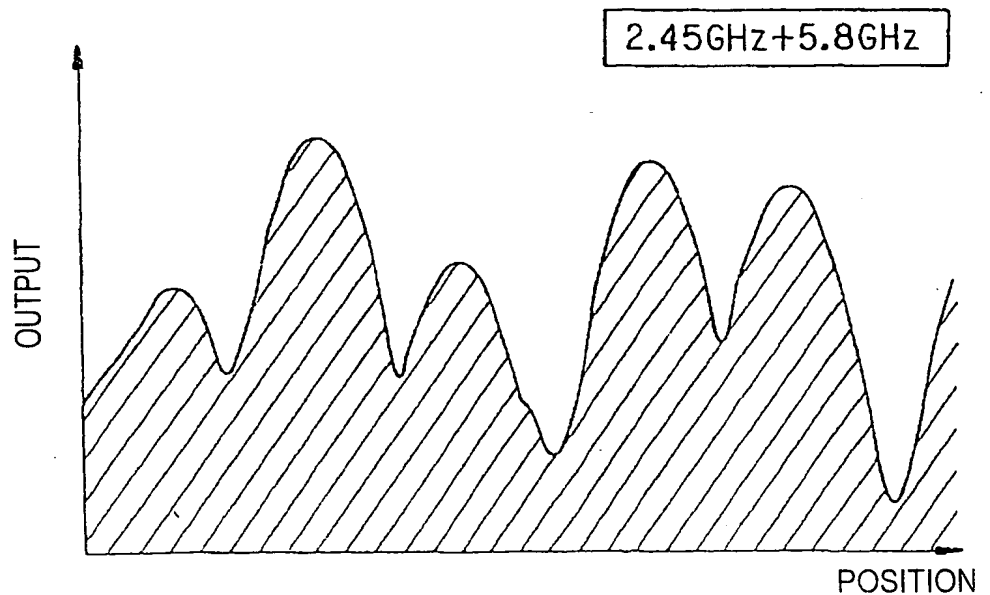


FIG. 23 (c)



24/27

FIG. 24

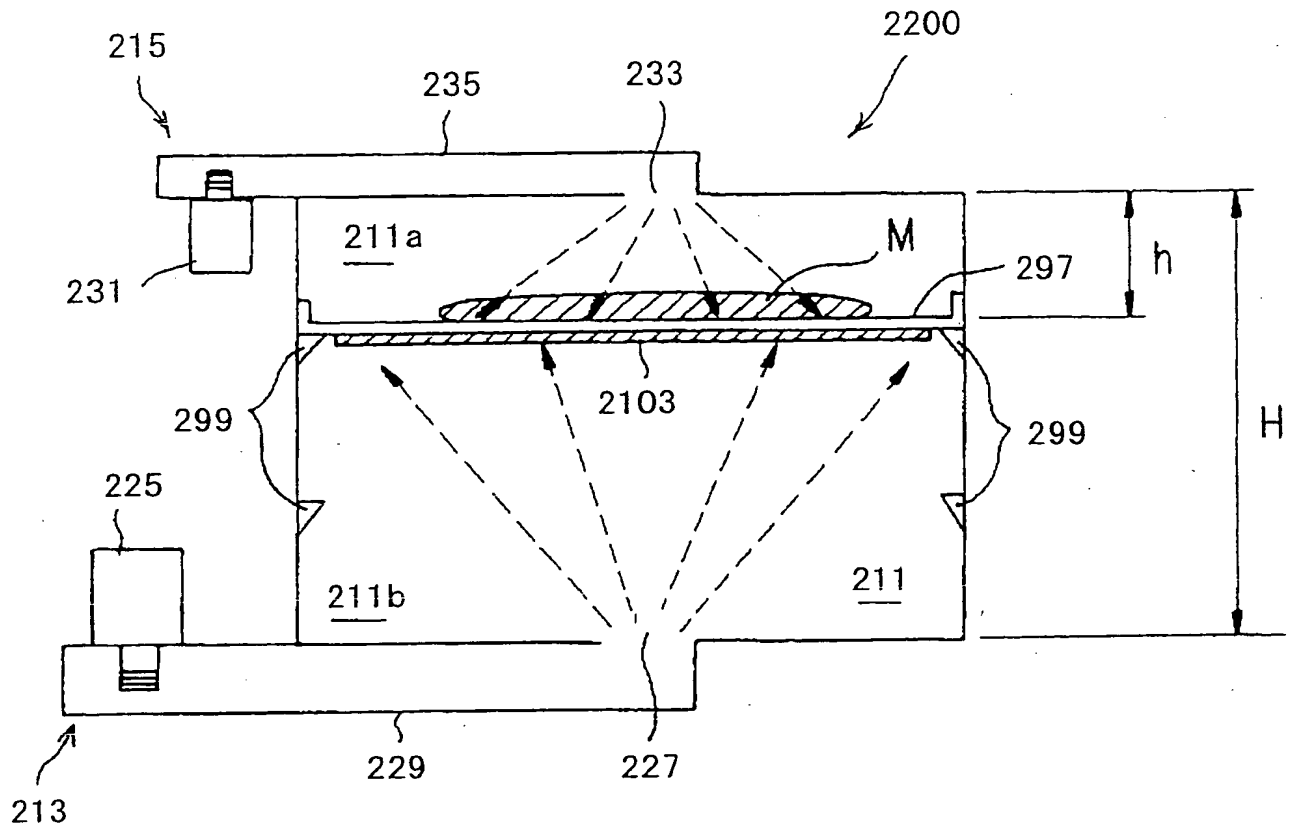
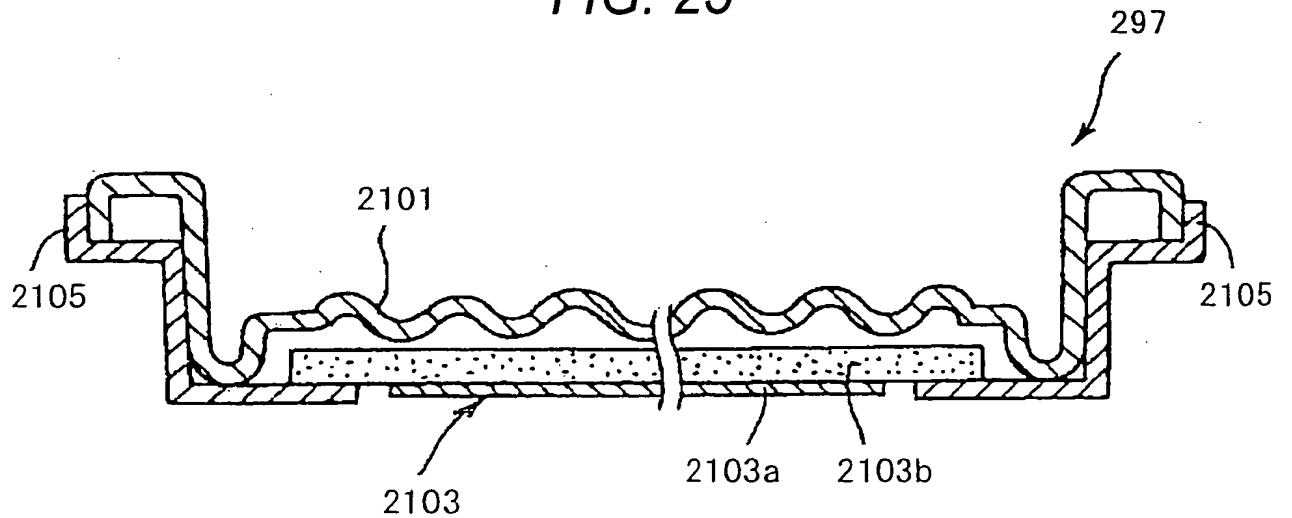


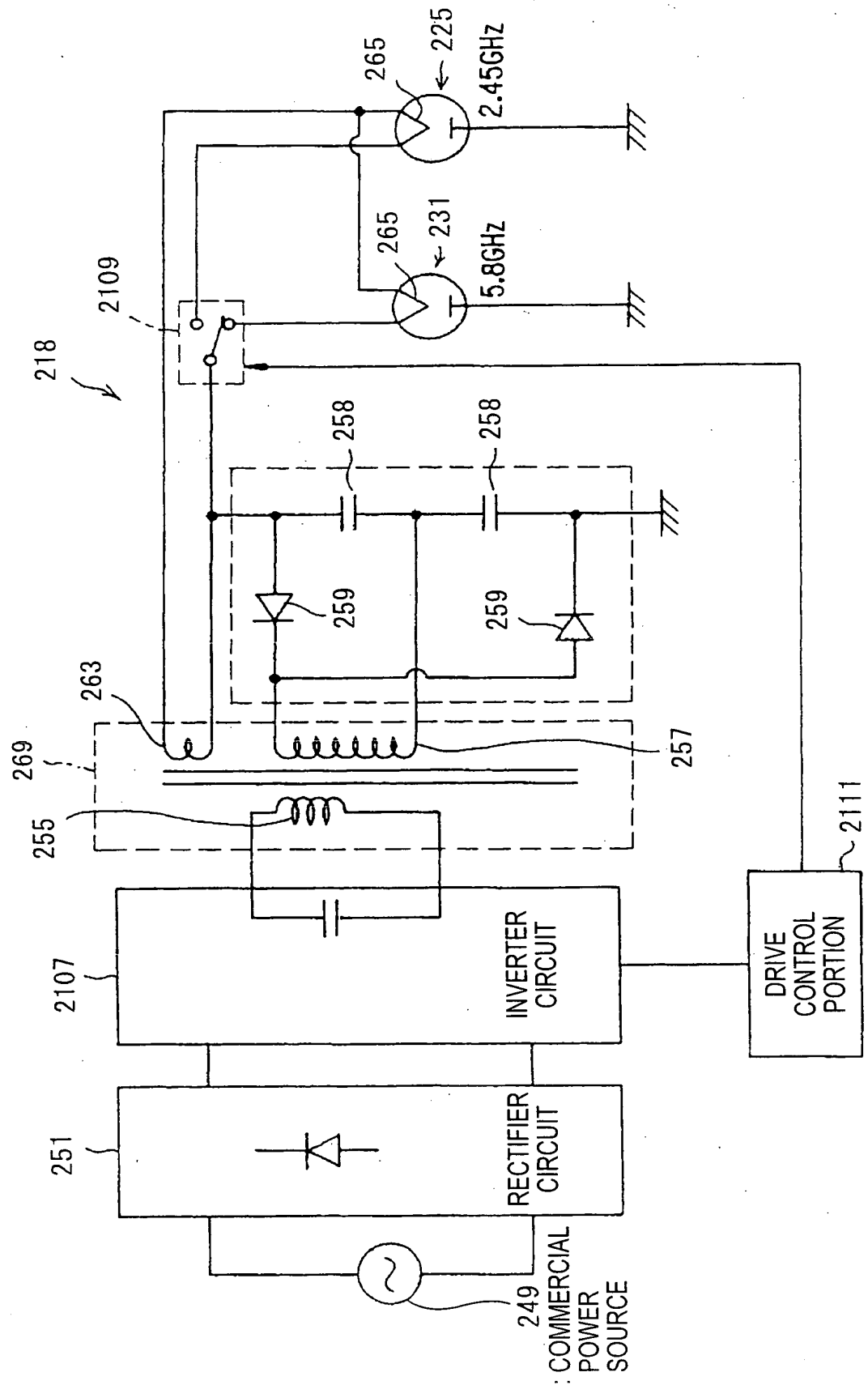
FIG. 25





25/27

FIG. 26



26/27

FIG. 27

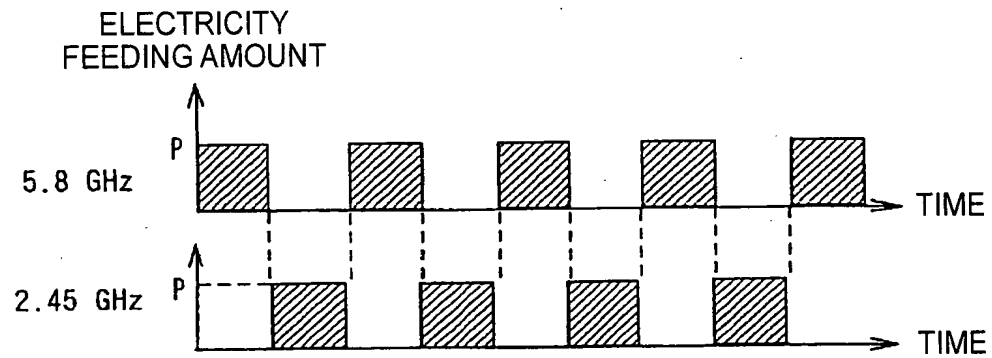
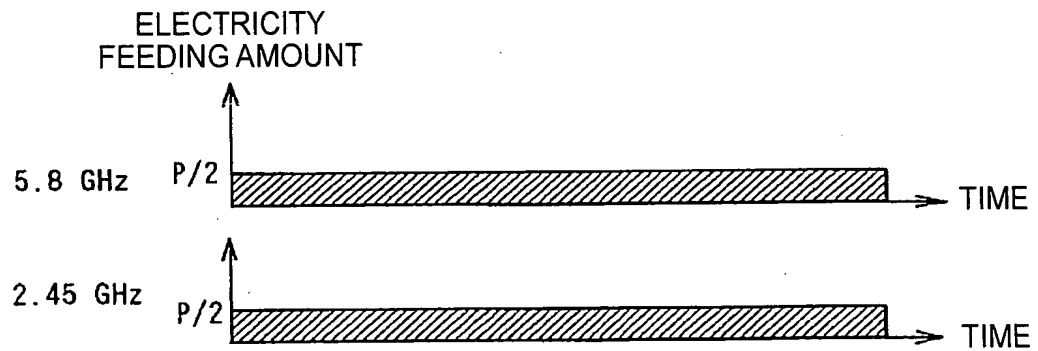


FIG. 28



27/27

FIG. 29

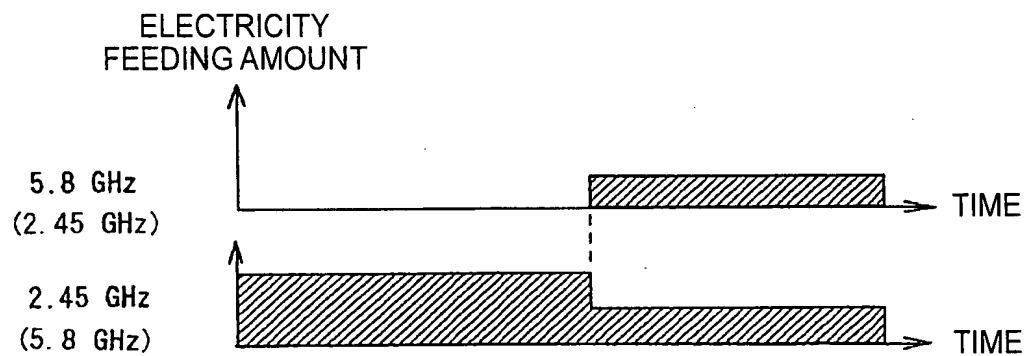


FIG. 30

